

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/015304

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 B66B29/04 B66B27/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B66B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 923 005 A (BLONDIAU ET AL) 13 July 1999 (1999-07-13) figures	1-18
Y	DE 198 26 773 A1 (ABRAHAM, DETLEV; TEUBNER, SIEGFRIED) 16 December 1999 (1999-12-16) column 1, lines 7-9	1-18
Y	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) & JP 07 285774 A (HITACHI BUILDING SYST ENG & SERVICE CO LTD), 31 October 1995 (1995-10-31) abstract	1-18
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

27 January 2005

Date of mailing of the international search report

08/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 676 363 A2 (OTIS ELEVATOR COMPANY)  11 October 1995 (1995-10-11)  abstract</p>	1, 10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/JP2004/015304

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5923005	A	13-07-1999	AT 228097 T	15-12-2002
			CA 2224829 A1	16-06-1998
			CN 1185412 A ,B	24-06-1998
			DE 59708769 D1	02-01-2003
			EP 0847956 A1	17-06-1998
			JP 10182050 A	07-07-1998
<hr/>				
DE 19826773	A1	16-12-1999	NONE	
<hr/>				
JP 07285774	A	31-10-1995	NONE	
<hr/>				
EP 0676363	A2	11-10-1995	US 5431271 A	11-07-1995
			AT 214681 T	15-04-2002
			DE 69525869 D1	25-04-2002
			DE 69525869 T2	14-11-2002
			JP 7277655 A	24-10-1995
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